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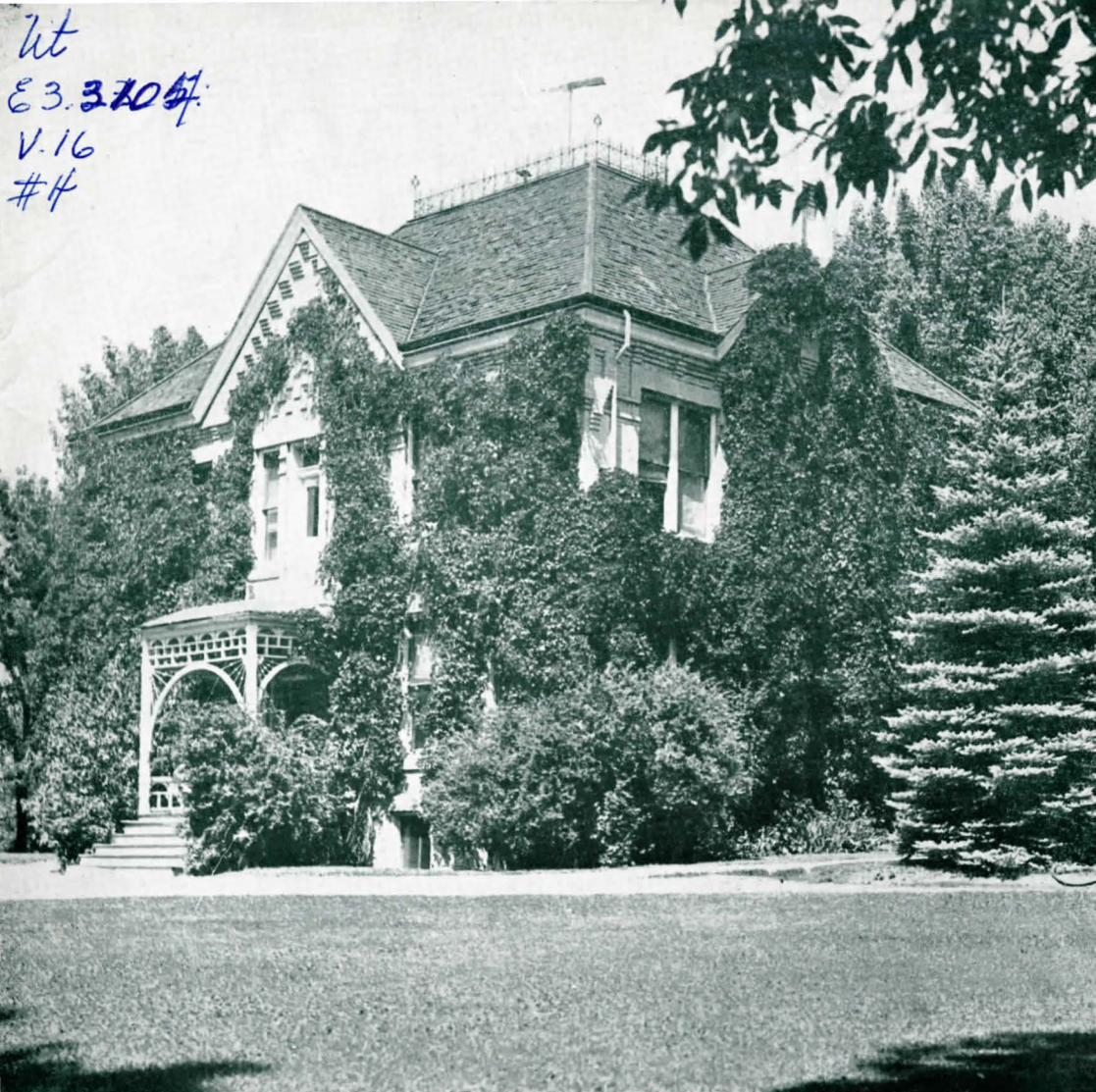
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Extension Service Building

Utah State Alumni Quarterly

Vol. XVI

MAY 1939

No. 4

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Vol. 16
no. 4

HE HAS ACHIEVED SUCCESS

He has achieved success who has lived well, laughed often and loved much; who has gained the respect of intelligent men and the love of little children; who has filled his niche and accomplished his task; who has left the world better than he found it, whether by an improved poppy, a perfect poem or a rescued soul; who has never lacked appreciation of the earth's beauty or failed to express it. Who has always looked for the best in others and given the best he had; whose life was an inspiration; whose memory a benediction.

Mrs. A. J. Stanley



Our business is advertising and printing. Our purpose is to build sales-messages in ink and paper, and word and picture . . . When you have something to sell—an impression to create—let us do it for you . . . that's our business. For twenty-one years creators of advertising and printing that "Hits the Mark".

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SALT LAKE CITY, UTAH

Utah State Quarterly

Published quarterly by the Utah State Agricultural College Alumni Association. Entered as second class matter at the post office at Logan, Utah, under the act of March 3, 1897.

Vol. XVI

May 1939

No. 4

Officers of the Association

ERWIN CLEMENT, '37 *Editor and Manager*
ROBERT L. JUDD, '09 *President*
ERWIN CLEMENT *Executive Secretary*

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ROBERT L. JUDD, '09 ASA BULLEN, '10
DAVID G. HURREN, '27 ELMO MORGAN, '35
LLOYD M. THEURER, '28 HAROLD M. PETERSON, '27

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MONT HARMON, '36 WILLIAM PETERSON, '99
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ASA BULLEN *Alumni Membership*
ELMO R. MORGAN *Relationship*
D. G. HURREN *Athletic*
J. W. KIRKBRIDE *Student Loan Fund*



Better Clothes for All
Occasions

Elected to Alumni Council

Five members of the alumni association were recently elected by ballot to serve on the Alumni Council for three years, beginning July 1. They will replace Robert L. Judd, '09; Elmo R. Morgan, '35; Edmund Crawford, '04; Heber Bennion, '13; and Ethel B. Lund, '24.

Those favored in the balloting are C. Orval Stott, '16; June White, '32; Lloyd R. Hunsaker, '35; Byron Alder, '12; and Angus M. Maughan, '21.

Mr. Stott is field representative with the General Church Welfare Committee and Executive Secretary of the Agricultural Advisory Committee of the Church in the L. D. S. Church Welfare Program. Mr. Stott majored in the School of Agriculture. He was active in track, baseball, president of the Glee club in 1916 and a member of the "Ag" club. He received his Master's degree from University of California in 1933. In 1934 he accepted the position as State Director of the Rural Rehabilitation program with the Emergency Relief Administration, which agency is now known as the Farm Security Administration.

Miss White is teacher of Health and Physical Education, Mound Fort Junior High, Ogden, Utah. Miss White is vice-president of the Ogden Alumni chapter. She majored in Health and Physical Education and was active in Women's Athletic Association, *Buzzer* and *Student Life* staffs. She was a member of the Theta Alpha Phi, National Dramatics Sorority; Phi Delta Pi, National Women's Athletic Society and Chi Omega, National Social Fraternity.

Mr. Hunsaker is County Extension Agent for Piute county. He majored in Agriculture and was active in the "Ag" and Dairy clubs; Alpha Delta Epsilon, Local Social Fraternity, and Delta Phi, National Missionary Fraternity. He taught one year at Beaver High School as Vocational Agricultural teacher. He lives at Junction, Utah.

Professor Alder is head of the Poultry department at the College. Professor Alder was president of the Junior class and president of the "Ag" club while doing undergraduate work at the college.

Mr. Maughan is principal of the Richfield High School. While at Utah State he was president of the Senior class and member of the student body executive council. He has taken an active part in recreational and educational activities in the State.

Have You Sent in Your Alumni Dues?

Use this blank or write a letter addressed to the Executive Secretary, Alumni Association, Logan, Utah, enclosing your annual dues or Life Membership remittance.

☐ I enclose \$1.00 for annual membership.

☐ I enclose \$25.00 for Life Membership.
(May be paid in five yearly installments.)

Name.....Class.....

Street.....

City.....State.....

Water Supply Forecasting Based on Snow Surveys

By GEORGE D. CLYDE *Dean of Engineering and Mechanic Arts,*

Forewarned is Forearmed. A knowledge of the resources with which one works makes it possible to utilize them most effectively. In the United States approximately 20,000,000 acres of land are used to grow crops under irrigation. Without irrigation this great area would be, for the most part, a barren desert producing sparse grasses and jack rabbits. Agriculture in the United States west of the 100th meridian is dependent on irrigation, and the entire economic and social structure is built upon the adequacy and reliability of its water supply. A knowledge of the probable water supply in advance of its occurrence is of great value in water conservation, in making possible the most complete utilization of the water when it comes, and enabling the development of control measures to prevent or reduce the ravages of floods. Water supply forecasts provide this advance knowledge and form the basis of the annual planting program of the farmer, the generating program of the power company, the conservation program of the municipality, and the flood protection program for the entire community.

The water supply available for irrigation is derived largely from the high watersheds. The fountain head for these waters is precipitation, the major part of which falls in the form of snow and accumulates to furnish the natural storage from which most of the water supplies in the west are drawn.



FIGURE 1. A potential water supply. Logan River Watershed. Elevation 9000 feet.

In Utah approximately 80 per cent of the runoff for the period April-September, inclusive, is derived from precipitation which falls on the high watersheds in the form of snow, which areas constitute only about 20 per cent of the state's area. Practically all of the streams in Utah may be classed as snow fed and they draw their water supplies from the natural snow storage reservoirs.

The storage of water in the form of snow on the high watersheds makes possible a determination of the probable water supply far in advance of its occurrence. Forecasting, based on snow surveys, of total runoff for specific periods is now well established, but a determination of the probable discharge in cubic feet per second for any specific date during the critical runoff season is more difficult.

Fundamental Streamflow—Snow Cover Relationships.

Runoff is derived either directly or indirectly from precipitation, which occurs in many forms, i.e., rain, sleet, snow, hail, dew, frost, and fog. The relationship between the precipitation on and the runoff from a given watershed is complicated by a multitude of factors.

Precipitation can be measured at any particular point. The evaporation, transpiration, or change in ground storage can be determined for a specific set of conditions at a given point with fair accuracy. The water lost by deep seepage is more difficult to determine, and that used by plants in building plant structure is so small that it may be neglected. While the determination of the aforementioned factors is possible at a given point, or for a given limited area, it becomes extremely difficult, if not impossible, to determine the precipitation, evaporation, transpiration, and deep seepage over large areas.

Precipitation is the ultimate source of runoff and is one phase of the water cycle. When precipitation falls as rain, the intensity and duration of the storm, together with the physical condition of the area on which the rain falls, governs the amount and intensity of the runoff. When the precipitation falls as snow, the intensity of the storm is of little importance because the snow accumulates to runoff later during the melting season.

If it is assumed that the same casual factors acting in the same way will produce the same results, a method of indexes may be developed through which the measurements of the casual factors at selected points may be made to indicate the results produced by those casual factors. Such an assumption is made when streamflow forecasts are based upon snow surveys. Snow surveying for streamflow forecasting is not predicated upon a determination of the quantity of water on the watershed at the end of the precipitation season and the quantitative amount of the losses. Rather, it assumes that a normal snow cover will produce a normal runoff. This has sometimes been called the percentage method of forecasting, and was developed and first used by Dr. J. E. Church of the University of Nevada.

Streamflow forecasting based upon the percentage method assumes that the precipitation is the most important factor and that the losses can be grouped together and given a fixed value depending upon the particular watershed. In order that this assumption be true, it is necessary that the major portion of the flow to be forecasted come from high elevations where there is little or no winter melting, and that the measurements of snow cover to be made in this area. For forecasts of early runoff, which comes largely from the lower areas, snow cover, spring precipitation, and soil moisture measurements must be made in these areas. *Every watershed seems to be a law unto itself and the snow cover-runoff relationship must be worked out for each watershed.* Once the basic relationship and the effect of the modifying factors for a particular stream have been determined, a representative measurement of the snow cover at the end of the precipitation season will indicate the probable water supply during the following summer months. The period for which the forecast is made will vary on different streams.



Dean George D. Clyde

In Utah it is made for the period April-September and July-September, inclusive.

History of Snow Surveying and Streamflow Forecasting. Snow surveys were first made in Europe in the early nineties for the purpose of studying snow densities, and portable snow surveying equipment was used first by the Russians as early as 1900. In 1901, Charles A. Mixer of Vermont began cutting cores of snow to determine its water content. R. A. Horton, in 1905, invented a sampling tube with scales for cutting and weighing cores to determine water content. The U. S. Weather Bureau later developed similar equipment for determining water content of snow cores. In 1904 snow surveying was utilized in the study of the effects of mountains and forests on the conservation of snow. It was not until about 1909 that Dr. Church, in Nevada, applied the snow surveys to forecasting streamflow. The Weather Bureau equipment was found to be unsatisfactory in the deep snow of the Sierra Nevada mountains and the Mt. Rose snow sampler was developed.

The Weather Bureau, in about 1914, established throughout the west a network of snow stakes for the purpose of measuring snow cover. These stakes were located, for the most part, on national forests, and the readings of snow depths were made by the forest rangers. In a few cases water content was determined. The density of snow varies widely throughout the season and in different seasons. Snow depths alone or snow stake readings, with water content determinations, have been found to be very unsatisfactory as a basis of streamflow forecasting. As a result, snow stake readings have been abandoned in California, Nevada, Utah, and Oregon, and snow surveys substituted.

Snow surveying differs from snow stake readings in that snow courses are laid out across representative areas and several measurements of depth and water content made. The average of these measurements is taken as representative of the area. The courses are properly marked and the measurements of depth and water content are made at the same point each year. Only the total accumulated precipitation is needed as a basis for forecasting and, therefore, one measurement a year at the end of the precipitation season is all that is necessary.

Snow courses should be located above the line of winter melting with some few courses at lower elevations to furnish a check on winter and early spring melting conditions. Low courses are particularly desirable when a forecast of the April-September runoff is required. A satisfactory site is one having a uniform snow cover and which is fairly well protected from drifting winds. Such a site can usually be found in a sheltered meadow or sparsely timbered flat. Comparatively level open forests, parks, or closed basins furnish the most desirable locations. The course should be as free as possible from large irregularities, steep slopes, boulders, fallen trees, meandering streams, logs, brush, and snow slides. If a ridge location is necessary, the course should extend down both sides of the ridge.

Areas where snow surveys must be made are usually uninhabited and adverse weather conditions may be encountered at any time. The surveyors should be properly equipped with snow shoes or skis, suitable clothing, and dark glasses. Shelter should be provided at intervals of not over ten miles, or if travel is difficult, not over one day's hike under adverse weather conditions. These shelters should be stocked with blankets and with provisions packed in tight metal containers. A snow survey party should never consist of less than two men and a third

member is desirable. Figure 2 shows some of the difficulties encountered by the snow survey parties.

Snow surveying on Mt. Logan near the Utah State Agricultural College has become very popular with the students. They make it a winter sport. Figure 3 shows the party measuring the water content of the snow near Mt. Logan.



FIGURE 2. Crossing the Main Divide of the Bear River Range east of Franklin, Idaho. (Elevation 9000 feet.)

Snow Surveying Equipment. The sampling equipment now in use is the Utah modification of the Mt. Rose snow sampler, and a tubular spring balance developed at the Utah Experiment Station for determining the water content of the snow core. The sampler consists of a 22 gauge aluminum tube $1\frac{3}{4}$ inches outside diameter and a tool steel cutter with a 1.485 inch inside diameter throat fastened in the end of the tube. The tube is calibrated on the outside in inches and slotted so that the length of the core may be observed. The sampler is made up in 30-inch sections connected together with screw couplings. The weighing scale, except for the spring, is made of aluminum alloy. It is 1 inch in diameter and approximately twelve inches long. The ordinary snow sampler tube does not exceed 150 inches in length, but some have been made as long as 25 feet.

Present Status of Snow Surveys and Streamflowing Forecasts. Streamflow forecasting based on snow surveys is a relatively new development. Dr. J. E. Church of the University of Nevada pioneered in this work. The Utah Agricultural Experiment Station in 1923 became actively interested in the work under the direction of the author. In 1930 active cooperation with the Forest Service, the Weather Bureau, and Utah State Engineer was developed.

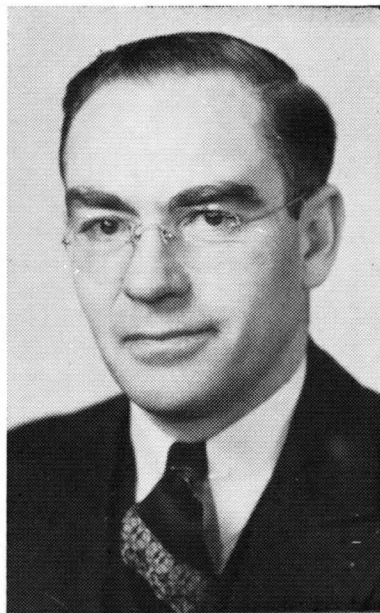
(Continued on page 11)



FIGURE 3. Snow survey party measuring water content of snow cover. Mt. Logan. (Elevation 9000 feet.)

Extension Service Celebrates 25th Birthday

By W. D. PORTER, College Editor



W. D. Porter

For more than a quarter of a century, farmers and home-makers of Utah have been influenced by the programs and activities of the Extension Service. Throughout the State, agricultural and home demonstration agents, specialists from the state staff, 4-H club leaders and adult leaders have been and are working to give rural citizens a fuller and more enjoyable life.

In commemoration of the founding of this noteworthy organization 25 years ago, thousands of Utahns paused during some part of their busy day on May 8

and paid homage to the farsighted men and women who made the Extension Service possible and outlined a broad and helpful longtime program to aid the tillers of the soil, and the breeders of livestock, and the makers of farm homes.

The U. S. A. C. Alumni Association is also recognizing the anniversary by devoting a portion of the annual banquet program, June 3, to Extension Service toasts. The theme of the program will also center around the quarter-century idea.

While the birth year of the Extension Service of the United States Department of Agriculture is generally conceded to be 1914, preliminary work based on extension principles was carried on in the State of Utah several years prior to the national inception of this important governmental agency.

Experience gained during these formative years made it possible for the administrative officials of the Utah State Agricultural College to lead out in the Extension Service program shortly after Congress, on May 8, created this agency by the passage of the Smith-Lever Act.

This act provides "That cooperative agricultural extension work shall consist of the giving of instruction and practical demonstrations in agriculture and home economics to persons not attending or resident in said colleges in the several communities, and imparting to such persons information on said subjects through field demonstrations, publications, and otherwise; and this work shall be carried on in such manner as may be mutually agreed upon by the Secretary of Agriculture and the state agricultural college or colleges receiving the benefits of this act."

J. W. Sanborn, first president of the State College, envisioned a similar farmer-college relationship when he laid plans in the early nineties whereby the farmers and housewives could receive direct aid from the "hill of knowledge." Because roads were bad and transportation facilities were of the horse and buggy variety, this service

in its formative years was confined to the vicinity of the College.

During the administration of President J. H. Paul, the state legislature appropriated \$1500 to enlarge farmer contact work. The bill which created the fund also specified that at least one institute would be conducted in each county annually. The makers of this bill did not project their thinking far enough into the future to see what a tremendous task was assigned to the College with the personnel and travel budgets at almost a negligible figure. While the administration did an excellent piece of work with limited funds and manpower, it was soon evident that the plan was not workable. Contact work was, therefore, assigned to the Experiment station in 1896, with Professor Luther Foster as director.

Dr. John A. Widsøe, and Joseph Jenson, professor of mechanical engineering and shop work, were appointed to use the departmental horses and buggy the following year for an extended educational trip. This time the county institute work was begun in earnest, and for two and one-half months the two college representatives carried their messages to the people of the State.

Listed among the first institute-professors, in addition to Professors Foster, Jenson, and Widsøe, are F. B. Linfield, L. A. Merrill, who later became superintendent of extension work, Mrs. Delinda Coty, and James Dryden.

Institute work developed rapidly, and by 1907 it was evident that the resident staff must be augmented and that additional appropriations were necessary. The administration, therefore, placed Lewis A. Merrill in charge of the program and opened offices in the Fremont Building in Salt Lake City. Legislative assistance came in 1909, largely through the efforts of Governor Spry, and the institute fund was raised from \$1500 to \$5000. Later the appropriation was raised to \$10,000. The enlarged staff now found its new home in the Main building of the College and when September 1, 1912, came around, Dr. Elmer G. Peterson was appointed director to succeed Professor Merrill, and Miss Gertrude McCheyne was placed in charge of women's work.

About one year prior to this time L. M. Winsor, '11, was appointed county agent for the Uintah Basin. This was an history-making appointment as Mr. Winsor, '11, is considered to be the first agent in the northern and western states.

With an increased appropriation from the state legislature, the Extension staff in 1913 was enlarged to include Ben R. Eldredge, dairy specialist; Lorin A. Merrill, agent for Sevier County; Robert H. Stewart, agent for Carbon and Emery Counties, who is at the present time agent for Box Elder; Joseph P. Welch, agent for Millard County; Walter J. Glenn, Uintah County; David Sharp, Iron, County, now agent for Summit; Robert Wrigley, Washington County, now agent for Cache; Lon J. Haddock, Salt Lake County; and Miss Amy Lyman, who later married Dr. M. C. Merrill, was named home demonstration agent for Sanpete County. Thus it is evident that Utah educators were ready for the launching of the Extension Service on a national score in 1914. Of the 1913 appointments, Agents Stewart, Wrigley, and Sharp, all Aggie Alums, are still in the Service.

On the staff of specialists, Professor James Christian Hogenson, agronomist, holds the honors for having worked

continuously in extension work at the College for almost 28 years. From a member of the Agronomy department, Professor Hogenson was chosen in 1911 to do extension work and in 1912, he was assigned the task of organizing 4-H Clubs throughout Utah. For six years he worked diligently on this assignment. Then came the World War and he was taken back into agronomic work where he has remained.

Two Utahns will be given National honors May 8, when the entire country pays homage to its Extension Service founders and leaders. They are Professor Hogenson and Mr. Stewart.

Since the beginning, 25 years ago, the Utah Extension Service has grown and prospered under the direction of President Peterson, John T. Caine, III, Dr. R. J. Evans, and Professor William Peterson, present director. Many important duties, both state and national, have been assigned to this organization. Constant demands from the farmers, and from the Federal Government, and home-makers have made it necessary from time to time to add specialists, agents, and assistant agents to the staff.

The program here has expanded to gigantic proportions with the promotion of county and statewide farmers, encampments and gatherings, county fairs and exhibits, rural youth training in 4-H clubs, proposed long-range farming programs for each community, and a number of specialized conferences on agricultural problems such as economical irrigation, poultry disease control, dairy herd improvement and rural leadership.

Under the present state extension program the 25 resident specialists and the 39 field workers are training annually 5,500 rural boys and girls each year as to proper practices on the farm and in the home. Approximately 3,000 leaders a year are trained to serve as key men and women within their respective communities to direct programs for adults as well as youths. The service staff co-operates generally with state and federal agricultural agencies as well as local church and civic groups in extending as far as possible its benefits.

In one recent year, 72,267 farmers visited the 25 county agents' offices in the state, an average of 2.4 visits per farmer in counties served by the agents. In the past biennium agents made 59,548 farm visits and conducted 7,946 meetings. The eight home demonstration agents made in one year 3,792 home visits and conducted a total of 3,089 meetings with an attendance of almost 65,000 housewives.

Extension projects include agronomy, animal husbandry, dairying and dairy manufacturing, sheep and wool, poultry, agricultural economics, 4-H clubs for boys and girls, horticulture, farm forestry, home management and furnishing, foods and nutrition, clothing, rural health, recreation and leader training.

In taking a look into the future, officials predict even more important assignments in the offering, assignments that will call for men and women who are well trained and who possess the sterling qualities shown by those who have been connected with the service during the first quarter-century.

Your Association

The purpose of the Alumni Association of Utah State is clearly and well defined in the following sentences taken from the constitution of the Association: "(1) to form and strengthen friendships among the Alumni, (2) to foster feelings of gratitude and love for our Alma Mater, (3) to establish beneficial relationships between the Alumni

and the College, and (4) to promote the interests and welfare of the College and its Alumni."

Individually we can't possibly do what a group can do as an Association, therefore, in order to further the ideals of the College and aid in its growth, the Alumni must pull as a group. The stronger the Association, the more the College will grow and when the College is making progress, Alumni are proud, and derive a great deal of satisfaction.

Alumni realize that after spending four years at the Institution, certain ties and admirations have been formed. They know that it has cost the State far more to educate them than the tuition fees paid at the Secretary's office. With this realization comes a feeling of deep understanding for the Institution. Each one feels that he should do something to repay this debt. Most graduates and former students use various ways and means of letting the College officials know that the Institution is their Alma Mater and they want to further its cause. Some send in money, some send in prospective students, some letters of gratitude. But the main objective of the Alumni family is the furthering of the Institution in order that it may always progress in the field of higher learning.

Library Endowment Fund

During the past six weeks over \$600 has been contributed to the Library Endowment Fund, from Alumni and friends of the Institution. The fund is steadily growing and the Endowment committee appreciates the recent contributions made. Those who have contributed and the amounts are as follows:

Dr. H. J. Hartvigsen.....	\$10.00
A. H. Nebeker.....	5.00
Robert H. Stewart.....	10.00
Mrs. Lora B. Nebeker.....	5.00
Mrs. Clover J. Saunders.....	10.00
Mrs. Adaline Barber Bailey.....	10.00
Oswald Christensen	5.00
W. R. Smith.....	2.00
Amos G. Cole.....	10.00
Reed W. Bailey.....	10.00
A. M. Hansen.....	5.00
C. W. Lauritzen.....	50.00
Laurn E. Crookston.....	10.00
H. C. Stranquist.....	10.00
J. F. Ogden.....	5.00
Dr. George L. Zundel.....	5.00
Roscoe Titenson	1.00
Reynolds J. Nowell.....	50.00
Norman J. Jensen.....	50.00
Reuben Hansen	5.00
Merlin C. Shipley.....	40.00
Helen Gubler	30.00
Dr. R. J. Evans.....	5.00
Frank J. Kirby.....	25.00
V. D. Gardner.....	25.00
Dr. Willard Gardner	5.00
A. L. Christiansen.....	5.00
Dr. W. L. Wanlass.....	60.00
Ward R. McAlister.....	10.00
Dr. Lowry Nelson.....	50.00
Elwood I. Barker.....	10.00
Dr. J. E. Otte.....	25.00
Evelyn Hodges.....	20.00
Dr. B. K. Farnsworth.....	5.00
George B. Caine.....	50.00

On the Campus

National Spur President



Elaine Wintch

Elaine Wintch, '40, was elected National President of Spurs, a National Service organization for women students, at the convention held on the University of California, Los Angeles, campus in April.

Elaine was recently awarded a scholarship "A" and is a member of Chi Omega, and president of the college Spur chapter.

Student Body Officers

Jerold Shepherd of Salina, Utah, was elected Student Body president, and Ruth Mae Anderson, Logan, and Mary Lindsay, Salt Lake City, were elected vice-president and secretary respectively during April as the new officers of the student body for the 1939-40 school year.

Kenneth W. Hill, Canada, Conway Sonne, and Reid Olsen of Logan were the high candidates for the one year executive councilmen. Harold Steed, Layton, won the three-year councilman post as a member of the freshman class.

Clark Griffin, '39, has been awarded a \$600 teaching fellowship at Michigan State College in chemistry. Clark is a Chemistry major.

Morris H. Poole, '39, recently joined the staff of the Cache Valley Banking company. He is a Business major and a member of Alpha Kappa Psi, National Business fraternity and Delta Phi, National Missionary fraternity.

Field House

With the steel girders in place and the brick going up on the ends and sides, the Field House at the College is beginning to look like a reality. The building is located on the southwest corner of the stadium, west of the dairy barns.

A total of 5,600 spectators will be able to comfortably watch basketball games and other activities. Bleacher seats will be located in one end and under the seats will be showers, dressing rooms and offices. In the end opposite of the playing court will be a dirt playing field for track, football, and other sports. An eighth of a mile track will also be within the enclosure.

The building is to be completed in September and in October the United States Navy Band will give a concert there.

As time passes, the building will prove its full value for it will not only give athletics a boost, but will afford a place for the R. O. T. C. to drill, a place for Agricultural exhibits, livestock shows and many other student uses.

Debaters Win Recognition

By CASEEL D. BURKE, Debate Manager

Debating stock at Utah State took a distinct climb on April 7 and 8, at the Utah-Idaho Junior College Tournament in Cedar City, when Alan Fannesbeck and Douglas Parkinson, freshmen at the College, carried off the honors in the men's division, and Betty Fannesbeck and Jean Hansen, sophomores, brought home the women's crown. All four of these debaters, from Rexburg, Logan, and Fillmore, are completely at home on the Aggie campus, having been preceded at the Institution by illustrious brothers or sisters. Before their careers in debating end they should add much to the traditional glory in which they have been basking. John Clay, Reed Bankhead, Ross Wheatley, and Lyle Bates, and other members of the junior college squad, also made a good showing at the tournament.

This year the question for debate has centered around the government's "pump-priming" activities — resolved: "that the Federal Government should cease spending public funds for the purpose of stimulating business." The entire squad has competed in a total of seventy-eight inter-collegiate debates. Of these, sixty have been decision debates, our teams winning thirty-two and losing twenty-eight.

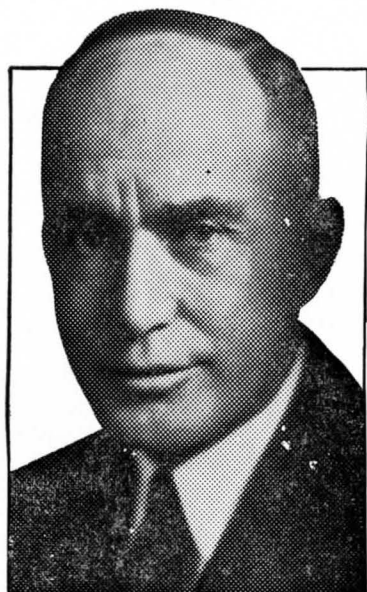
Four teams represented the school at the Pacific Coast Tournament, held in Pasadena on March 23, 24, 25. The squad as a whole made a good showing although the competition included some of the best teams of the nation. Wins were scored over such teams as California Tech., University of Redlands, and the University of Southern California. The debaters making the trip were Horace Gunn, Caseel Burke, Conway Sonne, Paul Coburn, David Gancheff, and Eldon Anderson of the varsity squad, and the freshman team of Parkinson and Fannesbeck.

The home schedule this year has been rather small but nevertheless very interesting. On February 7, Charles Guss and Wayne Brown, a crack team from Pasadena College, met Gancheff and Anderson. Two teams from Brigham Young University invaded the campus on March 3, and were met by Coburn and Sonne, and Burke and Gunn. On April 7, Logan's radio station, KVNU, extended its services for the broadcasting of the debate between a team from Gonzaga University of Spokane, and Coburn and Sonne of the College. With the splendid cooperation that the management of KVNU is showing, the radio should prove to be a valuable means of popularizing the debating activity.

A development of the past three years which has created much interest in the State is the annual Student Legislature, held in the State Capitol. This year the function is being sponsored by the Aggie debate council and proves to surpass the successful meets of the past. The junior colleges of the State will participate this year, making a bicameral legislature rather than the heretofore unicameral session. This is fast becoming one of the most popular functions of the debate department. The session is held for a two-day period, and receives wide publicity from the Salt Lake City newspapers.

The strength of the debate squad will not be materially lessened by graduation this Spring. With the coaches alert to the possibilities, and with approximately twenty-five lettermen returning, we can give warning that the Aggies will be heard from in future tournaments.

Commencement Speaker



Dr. F. D. Farrell

Dr. F. David Farrell, '07, president of Kansas State College, Manhattan, Kansas, will give the Commencement day address on June 5, to this year's graduating class. President David O. McKay of the first presidency of the L. D. S. church, will give the baccalaureate address on Sunday, June 4.

Dr. Farrell has held various positions of importance, since graduating from the college, with the United States Department of Agriculture and was at one time a member of the faculty at the University of

Idaho. In 1918 he was made Dean of the Division of Agriculture and Director of the Agricultural Experiment Station at Kansas State, a position he held until 1925, when he was advanced to the position of president.

The Association officers are happy to know that an Alumnus of the institution of such national repute will return to give the Commencement Day address, and welcome Dr. Farrell to the campus of his Alma Mater.

Mr. McKay has gained distinction as a speaker and is well known in the western states as an interesting and educational lecturer.

1914 Class Anniversary

Members of the 1914 class, with Gronway R. Parry, president, will be especially honored at the fortieth annual Alumni banquet, June 3rd, in the College Library. Other classes to reunite under the Dix plan of class reunion include '94, '09, '10, '11, '12, and '28, '29, '30, '31. The class of 1934 will celebrate its fifth anniversary.

Members of the 1914 class and their addresses are listed as follows:

Ellen Agren, Campus
A. P. Anderson, Preston, Idaho
Hans P. Anderson, 362 West 1st South, Logan, Utah
Ferdinand C. Alder, Manti, Utah
Ethan LaSalle Allen, Address Unknown.
Mary R. Anderson, Parker, Idaho
Lynn Andrus, Address Unknown
Reginald R. Bacon, 38th Infantry, Ft. Douglas, Utah
Dr. Wm. Baker, 1100 Roosevelt Bldg., Los Angeles, Calif.
Joseph D. Barker, 2684 Madison, Ogden, Utah.
William Batt, Woods Cross, Utah
Prof. J. B. Bearnsen, 1363 Ramona Ave., Salt Lake City, Utah.
Mary A. Shaw Bjorkman, 148 South 3rd East, Logan, Ut.
John E. Bowen, R. F. D. 3, Burley, Idaho
Prof. Aaron Bracken, Campus

Roland Elmer Brossard, Pocatello, Idaho
Prof. Alfred Ballif Caine, 2218 Donald St., Ames, Iowa
J. Kenneth Cannon, c/o Am. Embassy, Buenos Aires, Argentina
Axell Christensen, R. F. D., Sandy, Utah
John S. Christensen, Cedar City, Utah
Oswald Christensen, Rexburg, Idaho
Parley A. Christensen, B. Y. U., Provo, Utah
Archie L. Christiansen, 202 Federal Bldg., Ogden, Utah
Hans A. Christiansen, Beaver City, Utah
Grover Clyde, Federal Building, Milwaukee, Wisconsin
Rhoda B. Cook, 135 East Center, Logan, Utah
Jesse N. Ellertsen, Provo, Utah
Laura Peters Fifield, Weston, Idaho
Earl W. Frazier, 744 Emerson Ave., Salt Lake City, Utah
Major Grandison Gardner, March Field, California
Wm. E. Goodspeed, 1621 Cleveland Rd., Glendale, Calif.
Prin. Amos Griffin, Newton, Utah
Harold Raymond Hagan, Apt. 1-A, 225 Naples Terrace, New York City, New York
George R. Hales, Spanish Fork, Utah
Pearl C. Nielson-Hansen, Logan, Utah
Martin L. Harris, Duncan, Arizona
George Marion Hess, Panguitch, Utah
Genevieve Hillman, 87 West 1st South, Rexburg, Idaho
Director Ivan L. Hobson, Shoreham Bldg., Washington, D. C.
Stanley Snow Ivins, 519 B Street, Salt Lake City, Utah
Professor Gilbert L. Janson, Cedar City, Utah
George A. Johnson, Pocatello, Idaho
Osmon Justeson, 126 K Street, Salt Lake City, Utah
Gerald Kerr, U. S. Geological Survey, Washington, D. C.
Lyman Kidman, East 1st South, Logan, Utah
John K. Lauritzen, 4005 Lealand, Chevy Chase, Md.
Edward J. Laurenson, 2214 Casa Grande Street, Pasadena, California
Roy M. Madsen, Address Unknown
Charles F. Martineau, Cheyenne Agency, South Dakota
Brice McBride, Box 279, R. F. D. No. 2, Provo, Utah
Charles P. McGregor, Thatcher, Idaho
Afton Parrish Parry, Cedar City, Utah
Gronway R. Parry, Cedar City, Utah (Class President)
John O. Pence, Mt. Home, Idaho
William Leon Pond, Lewiston, Utah
W. Hartlett Powell, 525 F Street, Salt Lake City, Utah
Moses Reeder, 8011 Ingleside, Chicago, Illinois
Ivie Richardson, Sebastapol, California
Percy N. Shelley, Australia
Joseph H. Snow, Evanston, Wyoming
Violet S. Snow, 241 Belmont Ave., Salt Lake City, Utah
Professor Charles J. Sorenson, Campus
Edwin W. Stephens, Union Stock Yards South, San Francisco, California
Merline J. Stone, M.D., 76 Glenbrook Road, Stanford, Connecticut
Wilber E. Thain, 1029 So. Highland, Los Angeles, Calif.
George Washington Thatcher, 169 E. Center, Logan, Utah
Professor W. Preston Thomas, Campus
May Isaacson Titus, 1080 So. 5th East, Salt Lake City, Ut.
Ernest Wangsgard, 842 27th Street, Ogden, Utah
Prin. Adolphus P. Warnick, Pleasant Grove, Utah
Prof. Effie Warnick, B. Y. U., Provo, Utah
John A. Widtsoe, 47 E. So. Temple, Salt Lake City, Utah
Edna Gertrude Willard, Strong, Maine
Ralph E. Woolley, 305 Campbell Bldg., Honolulu, T. H.
Jean R. Woodside, Moab, Utah
Att. Ernest T. Young, 556 North Main, Logan, Utah

Banquet Chairman



W. W. OWENS

The College Library will be the scene of the fortieth annual Alumni banquet and class reunions Saturday, June 3.

Under the direction of W. W. Owens, '16, general chairman of this year's banquet committee, plans are under way to make this traditional function another distinct feature of the commencement exercises.

The class of '14, will be honored this year as the members of that class will return to celebrate their 25th year reunion. Gronway Parry, '14, Cedar City, was president of that class and he and many others will undoubtedly

return to the campus for this special occasion and commencement.

Inasmuch as the Extension Service will be celebrating its 25th year, part of the program will be devoted to honor the growth and development of Extension work.

The baccalaureate ceremonies will be held in the amphitheater Sunday, June 4. Dr. F. David Farrell, '07, president of Kansas State Agricultural College will deliver the address on Commencement day, June 5, in the amphitheater to over 500 members of this year's graduating class.

Reservations for the banquet and exercises may be made by writing the President's office or the Alumni office.

Valedictorian

LaVell M. Henderson, '39, Downey, Idaho, will give the valedictory address Commencement day, June 5.

During his four years at the College, LaVell has compiled a grade-point average of 94.9. He received one "B" in his College work. He was awarded with a \$125 prize as a winner of the 1927 class gift research scholarship at the awards and honors assembly May 3. He is a

member of Phi Kappa Phi, National honorary scholastic fraternity, and a member of the Battalion Adjutant in the R. O. T. C. He is a chemistry major and recently accepted an assistantship in the department of chemistry at the University of Wisconsin.

Walter Kittams, '39, has accepted a \$1000 fellowship to the University of Maine. He majored in Wildlife Management in the school of Forestry.

Stanley P. Gessell, '39, has accepted a technical assistantship at the University of California at Berkeley. He majored in Range Management in the school of Forestry.

Melvin Greaves, '39, has accepted a \$510 research fellowship at Cornell University, Ithaca, New York. Mr. Greaves will receive his B.S. degree in the school of Engineering.

Cliff Poole, '39, captain of the 1938 football team, was recently selected as Director of Physical Education and Intramural sports and assistant coach at Fielding high school at Paris, Idaho.

Joseph W. Andrus, '38, was recently appointed Junior Engineer of the Soil Conservation Service, with headquarters at Durango, Colorado. During winter quarter of this year he has been doing graduate work in the school of Engineering at the College.

Leo J. Zwahlen, '38, is in Denver, Colorado, where he is working for the U. S. Bureau of Reclamation.

Howard Passey, '37, recently reported for work with the Soils Conservation Service at Flagstaff, Arizona.

Bliss Crandall, '37, recently received a teaching fellowship at Iowa State Agricultural College, Ames, Iowa. Bliss has been working on his Masters degree at the College during the past two years in Agronomy and has done a great deal of research work in connection with Strawberry Clover.

Nathan Snyder, '36, is working in the Civil Service department of the United States Forest Service at Tucumcari, New Mexico.

Kathleen Wilson, '36, majored in Home Economics and is teaching in the Ogden City schools.

Phebe Weston, '35, is teaching school at Laketown, Utah. She majored in Physical Education.

Elizabeth J. Law, '22, is teaching in Washington, D. C. She lives at 2651 16th street.

Jennie Aileen Reece, '22, is Director of a Nursery school in Knoxville, Tennessee. She lives at 946 Temple Street, Knoxville.

LIBRARY SCENE OF FORTIETH BANQUET

The fortieth annual Alumni banquet will be held in the reading room of the College Library at 6:30 p. m. on Saturday, June 3.

All requests for reservations must be accompanied by remittance and should reach the Alumni Office by May 28.

Please make the following reservations for my party:

.....Reservations for the Alumni banquet, Saturday, June 3, 6:30 p. m., Library.

.....Reservations for the Baccalaureate Exercises, Sunday, June 4, 7 p. m., College Amphitheatre.

.....Reservations for the Commencement Exercises, Monday, June 5, 6:30 p. m., College Amphitheatre.

Banquet Reservations \$1.25 per plate.

Name.....

Address.....

Class of.....

Water Supply Forecasting Based on Snow Surveys

(Continued from page 5)

By 1935, the activity had grown to such an extent that coordination of the efforts of the various states became necessary and the Bureau of Agricultural Engineering, United States Department of Agriculture, became an active and important cooperator with the various western states interested in snow surveys and irrigation water supply forecasts.

In Utah the cooperative snow surveys now cover 85 courses, most of which are above 8,000 feet elevation. In addition there are more than 500 similar courses being surveyed in the other western states as a result of the cooperation between the states and federal agencies under the general direction of the Bureau of Agricultural Engineering.

Benefits Resulting from Streamflow Forecasting. The utility of forecasts of probable total water supply in water conservation have been amply demonstrated in the short period of years since such forecasts have been made.

Snow surveys and streamflow forecasts were begun in Utah in 1923. In 1926 the first water shortage occurred. No quantitative measurements of probable shortage were available, but the deficient snow cover indicated a water shortage, and a general curtailment of late season crops followed. Those who reduced their late season crops matured what they planted. Those who planted regularly did not mature a full crop. Much of their labor and seed was wasted. Five years later, in 1931, another drought was evident before the beginning of the planting season. That year the sugar companies would not contract beets until the water supply forecast was available, and the banks would not lend money on crops before the extent of the probable water supply was known. As a result of these precautions, most of the late seasons crops that were planted were fully matured, and the effects of the drought materially reduced.

The drought of 1934, which was the most severe in the history of the west, taught many lessons, the most important of which was the necessity of having a full knowledge of an expected drought prior to the beginning of the planting season, as well as full cooperation among users of water. Any year may be a dry year, but the probable extent of the drought which follows a deficient precipitation can be ascertained only by a measurement of the accumulated precipitation which is stored in the form of snow on the high watersheds.

It was known from mid-winter snow surveys over the Utah Snow survey network as early as February, 1934, that Utah was facing a serious drought. There was an extremely light accumulation of snow on the high watersheds and the earth mantle under the snow was dry. The lower watersheds were completely devoid of snow and the valleys had experienced only light precipitation. This early warning was emphasized by the deficient precipitation during the months of February and March, and on the first of April, as a result of measurements made over the state-wide network of snow surveys, it was clearly indicated that Utah faced the worst drought in her history. At that time the potential water supply did not exceed 35 per cent of normal. The conditions were brought to the attention of the far-sighted Governor of Utah on April 1, he immediately set in motion machinery necessary to meet the situation. *He called the first drought conference in history to be held before the drought occurred.*

At this conference two lines of action were developed: first, to put into effect immediately a water conservation program, and second, to begin immediately the development of supplementary water supplies so that they might be available by the time the crops needed the water.

The water conservation program involved an educational campaign to acquaint the water users with the situation and the modification of acreage planted, methods of irrigation, and administration of the water in order to secure a maximum use of the water available. Unusual as it may seem, the water users of the state, in the main, were unaware of the seriousness of the situation. They had not been in the habit of considering their water supply above their headgate. They assumed that high water would come because it had always come before, and they did not take into consideration whether or not there was any water on the watersheds to supply the streams.

As soon as the water users were convinced that a real shortage of water existed, they began planning and executing a program to combat the drought. They did not wait until the drought was upon them before beginning operations, and as a result they matured most of the crops they planted, they saved their orchards and perennial plantings, they moved their livestock off the ranges and out of the state before they starved, and they developed supplementary water supplies for irrigation and culinary purposes before the ordinary sources of supply dried up or got so low as to be unable to meet the minimum demands.

The water development program, which was inaugurated upon the issuance of the water supply forecast, enabled the state to develop, in time for use in saving crops, approximately 400,000 acre-feet of water. Estimates based on measurements made during the season of 1934 indicate a saving in crops, as a result of the program of water conservation and development of supplemental water supplies, of more than \$5,000,000 in Utah alone. On the Bear River, which supplies lands in Utah and Idaho, a total of 150,225 acres were supplied with supplemental waters by this program. It resulted in a saving in crops of \$3,149,000 in Utah, and \$684,000 in Idaho, or a total saving of \$3,833,000 in the two states. In addition to this, a tremendous saving in livestock was effected through the Federal purchase plan which took the cattle off the ranges and out of the states before they starved or choked to death.

The value of snow surveys and streamflow forecasts is both material and spiritual. It saves labor and seeds, when to plant would be useless because of no water to mature crops. It makes possible *water conservation* in its highest sense, permits a maximum utilization of water supplies, and creates confidence instead of suspicion between users of water. It gives water commissioners courage to allot water not yet in the reservoirs and makes it possible for the farmer to plan his crops to fit his water supply. It has enabled power companies to provide supplemental power in advance of its needs, and municipalities to plan use restrictions or develop supplementary supplies before a water shortage actually occurs. In short, snow surveys and streamflow forecasts have reduced materially the uncertainty which has heretofore been attached to the west's greatest resource—its water supply.

What the Alumni Are Doing

Dr. N. P. Neilson, '19, Executive Secretary of the American Association for Health, Physical Education and Recreation, will appear on the visiting faculty of the College 1939 summer session.

Dr. Neilson received his Master of Arts degree from the University of California in 1922 and in 1936 was awarded his doctor of philosophy degree with a major in school administration and a thesis in physical education. Dr. Neilson left Stanford University faculty, where he had been associate professor of Hygiene and Physical Education, in 1938 to accept his present position.

He has written extensively for various publications in the Education and Physical Education fields and has been featured on the summer school teaching programs of Stanford and University of Southern California.

John W. Carlson, '22, Associate Agronomist with the Bureau of Plant Industry at the U. S. D. A. cooperating with the Utah Agricultural Experiment station, recently returned to the College after studying at the University of Wisconsin.

Mr. Carlson has completed all requirements for his doctor of philosophy degree at Wisconsin and will be awarded his doctorate at the June commencement.

He received his Master's degree from the College in 1927. From 1925 until 1935 he was superintendent of the substation in Uintah basin studying alfalfa seed problems. His present work will continue with alfalfa investigations.

Willard "Butch" Knowles, '25, former all-conference halfback and the first player in the old Rocky Mountain conference to gain all-American recognition, was a campus visitor recently. Mr. Knowles is principal of the Martinez high school in Martinez, California. During his senior year at the College he was president of the student body and active in many other extra-curricula affairs.

He visited with Coach Romney and spent considerable time about the campus and was impressed with the many improvements and campus changes.

Dr. A. L. Richards, '26, accepted an appointment recently with the United States Regional Salinity laboratory at Riverside, California. Dr. Richards received his Masters degree from the College in Soil Physics and his Doctorate degree from Iowa State.

Alida Clayton Hogan, '26, is a housewife and lives at 4194 Suro Avenue, Los Angeles, California.

Dr. Kurt L. Jenkins, '27, is practicing medicine at Fillmore, Utah.

Lorin C. Fife, '28, is a Government Entomologist and is stationed at Mayaguez, Puerto Rico.



N. P. Neilson

Juab County Chapter

With the aid of Professor L. R. Humphreys, chapter organization chairman, graduates and former students in Juab county met in Nephi and organized an Alumni chapter, April 12.

A program was presented by chapter members, and Marietta Nyman and Wanda Garrett served refreshments.

Those who attended this initial function of the Juab County chapter were: Elden S. Tanner, '32; Elmo C. Brady, '34; Harry Beagley, '12; Wanda Garrett, '29; James M. Anderson; Douglas Jones, '38, Earl Warner, '38; C. P. Memmott, '20; Maureen Kandall, '36; Lucille Hawkes, '37; and Marietta Nyman, '38.

Chapter officers elected are president, James M. Anderson; vice-president, Elden Tanner; and secretary, Wanda Garrett.

Millard County Chapter

Monday, April 10, former students and graduates living in Millard County, met in Fillmore and organized a Millard County Alumni chapter.

Sam Gordon, '31, was elected president, and Anthony Stephenson, '35, and Mrs. Pernecy Melville, '29, were elected vice-president and secretary respectively.

Refreshments and a program that included Professor L. R. Humphreys and Dean E. A. Jacobsen completed the evening's entertainment.

Ogden Chapter Spring Party

The Ogden Country Club was the scene of the annual spring party of Weber County graduates and former students, May 11.

Dr. Wendell J. Thomson, '23, was in charge of the general arrangements that consisted of election of officers for next year, a program from the College, refreshments and dancing.

Approximately two hundred and fifty people were in attendance and enjoyed once again the democratic and friendly atmosphere of Aggie days.

The program committee was headed by Mrs. Athlene Budge, '34, and she was assisted by Mrs. Lucille Petty, '26; Harry Parker, '31; Weldon Burnham, '34; and Maurice Conroy, '23. Ruth Peterson, '26, was chairman of the refreshments committee, and Virginia Hodson, '38, and Leah Farr, '34, assisted her. Thatcher Allred was chairman of the nominating committee and was assisted by Russell Croft, '20; Lee Skanchy; Ralph Sanford, '23, Rudy Van Kampen, '34; Nat Taggart, '33; Hermoine Tracy, '37; and Elizabeth Shaw, '27.

Uintah Basin Chapter Party

Uintah Basin chapter members enjoyed a baseball game, program and refreshments at a party in Ashley canyon, May 6.

About thirty-five members and their partners attended this picnic party and from all indications will make this an annual spring function.

Grant Calder, '35, chapter president, was in charge of general arrangements, and was assisted by Ester Weber, '38, Clair Brown, '38, and Thelma George, '38.

What the Alumni Are Doing

Salt Lake City Chapter Party

Under the general chairmanship of Edward "Ted" Bagley, '33, another successful Salt Lake City chapter party was held in Memory Grove, May 5.

The party was well attended and during the evening a program was presented by students from the College and refreshments were served.

The nominating committee, consisting of Mrs. Orpha S. Boyden, '29, Joe Cowley, '30, and Rulon Walker, '33, chapter president, selected a list of candidates to be voted on for next year's officers. Those elected at the party to lead the chapter next year are: Allan West, '32, president; Arlene Stauffer Jorgenson, vice-president; Boyd H. Pulley, '33, secretary; and K. J. Cranney, '24, Wayne B. Garff, '36, Maude C. Gunnell, '33, Elmo R. Morgan, '35, and Mark Nichols, '24, were elected on the Executive Committee.

Socially and financially, the party was a success and the chapter is pointing for another fall party and rally when the College plays the University in Salt Lake City on "Turkey" day.

Others on the general committee with "Ted" were Mrs. Edna Smith Wright, '32, and Jack Christiansen, '34.

Joseph R. Thomson, '96, is at Richmond Utah. He is a sanitary engineer and does plumbing and electrical work.

Victoria Lundberg, '97, is at present occupied as a housewife. Her address is Pocatello, Idaho.

Charles A. Jensen, '97, is general superintendent of Limoneira Ranch company, Santa Paula, California.

Dr. A. R. Irvine, '98, is a specialist in Ophthalmic surgery, Suite 700, 727 West 7th Street, Los Angeles, California. Dr. Irvine has attended University of Vienna since graduation.

William W. Simmonds, '99, is practicing general farming at Salmon City, Idaho.

Joseph W. Jensen, 1900, Roy, Utah. Mr. Jensen is farming in the vicinity of Roy.

Blanch Cooper, '01, Home Economics major and is a nutritionist instructor at the University of Utah. She lives at 143 West 5th North, Salt Lake City, Utah.

Aquilla C. Nebeker, '03, is a mining engineer with headquarters at Lordsburg, New Mexico.

Josephine Farnes Wells, '03, is manager of Asherville Mercantile company, Asherville, Kansas.

S. Grover Rich, '05, majored in school of Commerce and is now in Washington, D. C. He lives at 3601 Connecticut Avenue, N. W.

Minnie Petersen Isgreen, '06, is living at 1027 Douglas Street, Salt Lake City. She has attended the University of California since graduation.

Preston G. Peterson, '07, is a member of the Utah State Road Commission. He lives at Provo, Utah.

Heber Carver, '08, is practicing law in conjunction with engineering in Ogden, Utah. He lives at 951 Binford Street.

Eunice Estelle Miles, '08, has done graduate work at University of California and the University of Chicago since graduating from Utah State. She lives at 1440 East 13th South, Salt Lake City, Utah.

Leon Fannesbeck, '09, is an Attorney at Law and lives in Logan.

Julius Hall Jacobsen, '09, is associated with the United States Department of Agriculture, with headquarters at Springfield, Illinois.

Odessie Hendricks, '10, is living at Lewiston, Utah, and is occupied as a housewife.

Alice Kewley, '10, is teaching at Santa Monica, California and lives at 934 4th Street, Santa Monica, Calif.

Orville L. Lee, '10, is farming at Paradise, Utah. Mr. Lee has had three sons graduate from the College.

Claire Parrish Dorius, '11, has completed a hospital dietitian course at the L. D. S. Hospital in Salt Lake City since graduation. She lives at 23 West 3rd North, Salt Lake City, Utah.

Dr. Irvin R. Egbert, '11, is a physician and surgeon at Arco, Idaho.

Diamond Wendelboe, '11, is a salesman at a music store and lives at 633 East 3rd South, Salt Lake City, Utah.

Dr. Edgar B. Brossard, '11, was recently chosen by the United States Tariff Commission to represent that body on the Federal Government's Committee on Cooperation with the other American republics.

President Roosevelt recently requested Congress to appropriate \$316,330 for the promotion of "closer and more effective relations" between the United States and the other American republics.

This money would be used for promotion of better cultural relations with Latin American countries, creation of fellowships for the exchange of students, distribution of American publications translated into Spanish, French, and Portuguese, and for promoting useful cooperation in other ways.

Dr. Brossard has been a member of the United States Tariff Commission for a number of years.

Arthur D. Ellison, '12, is working for the Soils Conservation Service with headquarters at Rapid City, South Dakota. He has done post graduate work at George Washington University, Washington, D. C.

Eleda Nelson Ericksen, '12, is occupied as a housewife and lives at 801 Cragmont Avenue, Berkeley, California.

Dr. Willard Gardner, '12, is Professor of Physics at the College. He has attended the University of California since graduation.

Vernon A. Bird, '13, is a salesman and lives at 247 North Beechwood, Los Angeles, California.

Arnold Lowe, '13, is farming in Beaver, Utah.

Afton Parrish Parry, '14, is occupied as a housewife and lives at Cedar City, Utah.

Moses Reeder, '14, is associated with a Gas and Coke company and lives at 8011 Ingelside, Chicago, Illinois.

Ernest Wangsgard, '14, is teaching at the Ogden City High school. He lives at 842 27th Street.

Clarence E. Cotter, '15, is a Major in the United States Army and is now at 2 Ruckman Road, Fort Monroe, Virginia.

Earl T. Jones, '15, is farming at Blackfoot, Idaho. His address is R. F. D. No. 4, Blackfoot.

Faunt B. Nichols, '15, is Editor, *Texan Business Review*. His address is University of Texas, Austin, Texas.

Hortense White, '15, majored in Home Economics and has worked as a home demonstration agent since graduation. She lives at 2000 Lake street, Salt Lake City, Utah.

Pearl Sevy Erickson, '17, lives at Monroe, Utah and is occupied as a housewife.

Orin W. Jarvis, '17, lives at 1239 Glenn Avenue and has been deputy assessor of Fresno City and County since graduation.

Breta G. McBride, '17, is occupied as housewife and lives at Columbus, South Carolina.

Edith Wallace Fraiberg, '18, is an instructor in the Los Angeles City high school. She lives at 9835 Yakum Drive, Benedict Canyon, Beverly Hills.

Deceased

John Ajax Sharp, '14, died in Salt Lake City, Saturday, March 11, of heart ailment.

He was born in Vernon, Utah, and went to elementary school there, and later attended the College, where he was an outstanding student in chemistry and mathematics.

He served during the world war and when he returned home at the close of the war he taught at Montpelier, Idaho. While there he was stricken with paralysis, from which he never recovered. He was unable to walk for 18 years.

In spite of the physical handicap he mastered use of the typewriter with his crippled hands, built radio sets and studied widely. He kept a cheerful attitude throughout his life.

Mr. Sharp served as justice of the peace for Vernon precinct, secretary of the Federal Land Bank of Berkeley, California, for his district, and performed other community services of various kinds.

Deceased

The sudden and untimely death of Loftor Bjarnason, '12, April 16, was a great shock to his many friends and associates. Mr. Bjarnason died Sunday morning of a heart ailment complication following an operation.

Mr. Bjarnason was born March 15, 1879, at Spanish Fork, Utah. His early education was in the Spanish Fork schools. After attending Brigham Young University he came to the College where he received his A. B. degree in 1912. He received his Master's degree from the University of Utah and engaged in postgraduate study at the University of Chicago. He taught school for several years and was supervisor of grammar grades and junior high schools for the State Board of Education for twelve years. At the time of his death, he represented a textbook publishing concern.

He was an active member of the L. D. S. church and filled a mission to Iceland for three and one-half years.

Surviving are his widow, Ida Holladay Bjarnason; two sons, Loftor and John Bjarnason; and four daughters, Joanna Bjarnason, Salt Lake City; Mrs. C. Fenton of Van Nys, Calif.; Mrs. O. R. Wagner and Sarah Bjarnason of Glendale, Calif.

Funeral services were conducted Thursday, April 20, in the University L. D. S. Ward chapel.

Deceased

The Association suffered another great loss April 12, when Irvin Allred, '06, was accidentally killed in an automobile accident in American Falls, Idaho.

Mr. Allred was a loyal friend of the Association and the Institution. His contribution to the Library Endowment Fund will remain as an Endowment to him.

During his years at the College, Mr. Allred was active in athletics and won his award in football and track. He majored in the school of Engineering and was for a number of years Director of Highway of H. D. Number One Power company, of American Falls, Idaho.

He is survived by his widow, Mrs. Effie Wilson Allred, two sons and three daughters, Rolon, Clayton, Norma, Helen and Conchita.

Mr. Allred was buried in the Logan City cemetery, Sunday, April 16.

Marriages

Ruth Watkins, '38, to Valdo D. Benson, '39, March 31, in the Logan L. D. S. Temple. Ruth was a member of the Chi Omega sorority.

Norma Nielsen, Spanish Fork, to Marden Broadbent, '37, Salt Lake City. They were married April 10, in the Salt Lake City L. D. S. Temple. Marden is assistant county agent for Salt Lake county.

Effie Larsen, '38, Hyrum, to Duane O. Wright, Salt Lake City, April 4, in the Salt Lake City L. D. S. Temple. They will make their home in Logan where Mr. Wright is employed by the Cache National Forest Service.

Grace Harris, Richmond, Utah, to Edmund W. Galbraith, '35, April 14, in Washington, D. C. They will make their home in Washington, D. C., while Edmund completes his degree in Medicine at the George Washington University.

June Griffith, '37, Brigham City, to Ralph M. Baird, Brigham City. They will make their home in Brigham City.

Ione Higbee, Cedar City, to Grant H. Redford, '36, April 12, in Zion National Park. They will make their home in Cedar City where Grant is an instructor in speech and dramatics.

Katheryn Bowen, ex. '39, to Reed Bullen, '29, March 31, in Logan. They will make their home in Logan. Katheryn was a member of Alpha Chi Omega and Reed was affiliated with Sigma Chi fraternity.

Virginia Fishler, to Allen C. Bowen, '37, May 9, in Salt Lake City. They will make their home in Salt Lake City.

Ilene Black, '39, Logan, to Howard Christensen, '40, May 3, in the Logan L.D.S. Temple. They will make their home in Logan until Howard completes his schooling at Utah State.

Rexburg, Idaho Chapter

Fifty-five members of the Rexburg, Idaho, chapter gathered on the evening of March 15, in the Rexburg L. D. S. Fourth Ward and enjoyed a program, refreshments and dancing.

Dr. Murland F. Rigby, '29, and Viola Hammond, '37, were in charge of general arrangements and did a splendid job of getting a large crowd and putting over an excellent program. Fourteen "Aggies" from Idaho Falls attended the party and had such a good time that they plan to organize a chapter in Idaho Falls in the near future.

Birth

A son was born to Hortense Moench Grossenbach, '38, and Paul Grossenbach, '36, April 24 in Logan.

Fred H. Thompson, '36, recently joined the staff of the Cache Valley Banking company. Mr. Thompson returned April 25, from a mission for the L. D. S. Church in the British Isles and took over his new duties immediately upon his arrival in Logan. He is a member of Sigma Chi and Alpha Kappa Psi, National Business fraternity.

Dorothy Johnson Gardner, '37, recently received a Thompson scholarship at the University of California at Berkeley. Mrs. Gardner has been attending the University since graduating from Utah State, as has her husband, Eugene Gardner.



At Graduation Time

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